Example #1

HDF5 Data (Train Phase)

HDF5 Data (Test Phase)

InnerProduct $ SIZE

TanH

InnerProduct (1)

Euclidean Loss

Label

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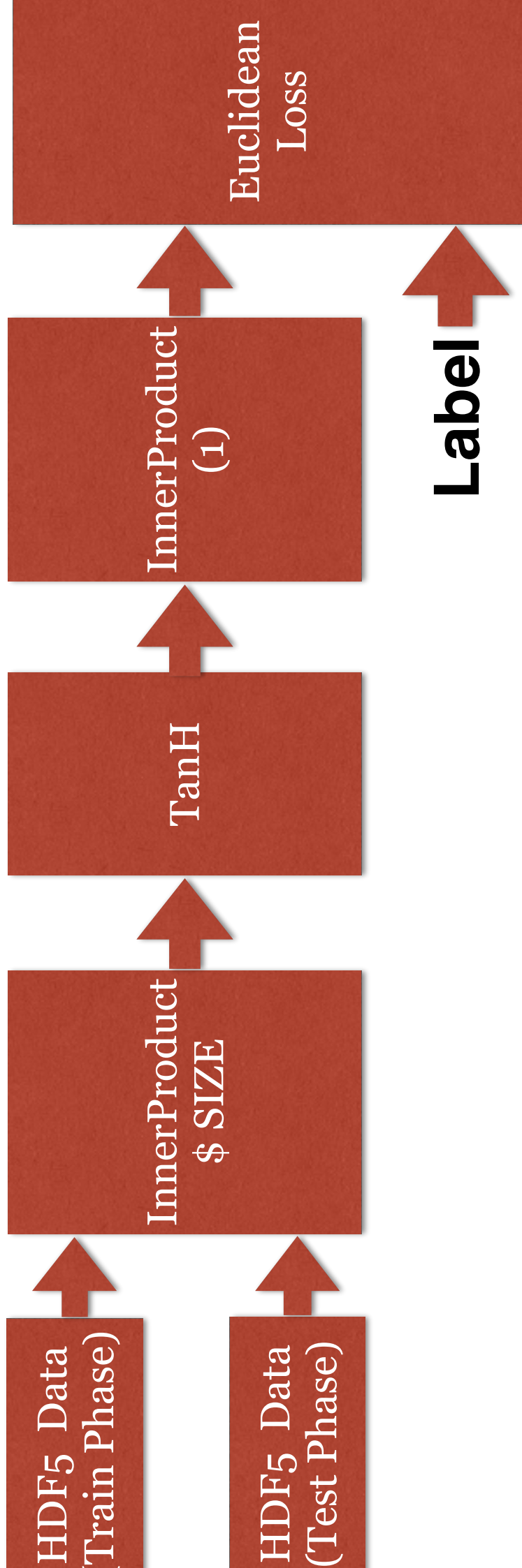# Example #1
train.m

```
train.m for Example #1
network

\ Inputs for test & train. Data is (t 3) label (t 1)
"train" 723 true hdf5data train [tops] data label
"test"  181 true hdf5data test  [tops] data label

\ The network
named Dengue
${ $ SIZE . } 1 innerproduct tanh
1 1 innerproduct
end-named

\ The loss layer
`$label loss [tops] prediction_loss
```
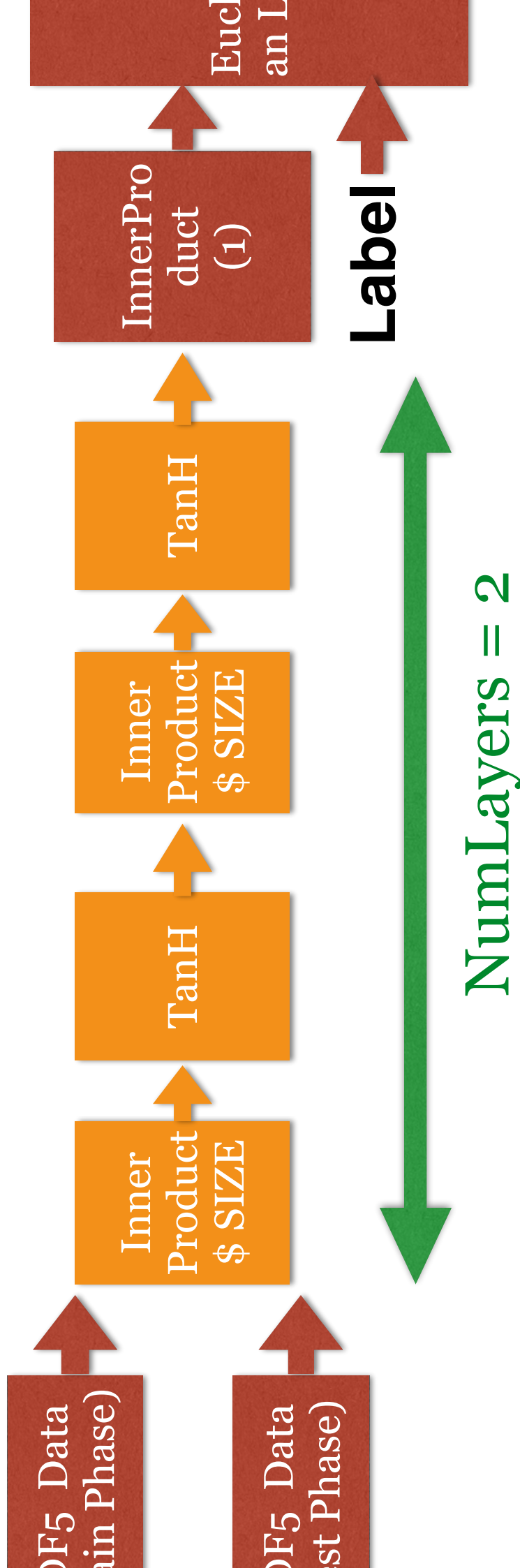
Example #1
test.m

```
\ test.m for Example #1 network

\ Inputs: Data is (t 3)
"test" 181 true hdf5data [tops] data

\ The network
named Dengue
${ $ SIZE . } 1 innerproduct tanh
1 1 innerproduct [tops] prediction
end-named
```

Example #2
(Multiple Perceptron Layers)

NumLayers = 2

Example #2
train.m

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train.m for Example #2

es layers

network

\ Inputs for test & train. Data is (t 3) label (t 1)
"train" 723 true hdf5data train [tops] data label
"test" 181 true hdf5data test [tops] data label

\ The network
named Dengue

${ $ NumLayers . } ${ $ SIZE . } 1 active MLP
1 1 innerproduct
end-named

\ The loss layer

Exercise #1

Write the
test.m for Example #2

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Exercise #2

Write the train.m & test.m for Lab 2A (sine)

ac prep then ac gen